

Amendments to the Claims:

The following Listing of Claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Original) A method of bonding a fluoropolymer to a substrate comprising:
forming a mixture including a fluoropolymer and a bonding composition, the bonding composition including an amine and a light-absorbing compound selected from the group consisting of an ammonium compound, a phosphonium compound, a sulfonium compound, a sulfoxonium compound, an iodonium compound, an arsonium compound, and combinations thereof; and
contacting a surface of the mixture with a surface of a second component; and
exposing the bonding composition to actinic radiation.
2. (Original) The method of claim 1, wherein the light-absorbing compound includes an ammonium compound.
3. (Original) The method of claim 1, wherein the light-absorbing compound includes a phosphonium compound.
4. (Original) The method of claim 1, wherein the amine is selected from the group consisting of a primary amine, an amino-substituted organosilane, and combinations thereof.
5. (Original) The method of claim 4, wherein the amine is an alkylamine.
6. (Original) The method of claim 5, wherein the alkylamine is a fluoroalkylamine.

7. (Original) The method of claim 1, wherein the amine is an amino-substituted organosilane having a hydrolyzable substituent.

8. (Original) The method of claim 1, wherein the bonding composition includes a vinyl silane.

9. (Original) The method of claim 1, wherein the fluoropolymer is a perfluorinated polymer.

10. (Original) The method of claim 1, wherein the fluoropolymer is a partially fluorinated polymer.

11. (Original) The method of claim 1, wherein the bonding composition is exposed to actinic radiation through the fluoropolymer.

12. (Original) The method of claim 1, wherein the actinic radiation has a wavelength maximum of between 190 nm and 400 nm.

13. (Original) The method of claim 1, wherein the actinic radiation has a wavelength maximum of between 210 nm and 290 nm.

14. (New) A method of bonding a fluoropolymer to a substrate comprising:
forming a mixture including a fluoropolymer and a bonding composition, the bonding composition including an amine and a light-absorbing compound selected from the group consisting of an ammonium compound, a phosphonium compound, a sulfonium compound, a sulfoxonium compound, an iodonium compound, an arsonium compound, and combinations thereof; and

contacting a surface of the mixture with a surface of a substrate; and

exposing the bonding composition to actinic radiation, thereby bonding the fluoropolymer to the substrate.

15. (New) A method comprising:

providing a first substrate including a bonding composition, the bonding composition including an amine and a light-absorbing compound selected from the group consisting of an ammonium compound, a phosphonium compound, a sulfonium compound, a sulfoxonium compound, an iodonium compound, and an arsonium compound, and combinations thereof;

contacting the surface of the first substrate with a surface of a second substrate; and exposing the bonding composition to actinic radiation,

wherein each of the first substrate and the second substrate includes a matrix material selected from the group consisting of a metal, a glass, an organic-inorganic composite, a fluoropolymer, and a non-fluorinated polymer with the proviso that one of the first substrate and second substrate is a fluoropolymer.

16. (New) The method of claim 16, wherein the matrix material of the first substrate is a fluoropolymer.

17. (New) The method of claim 16, wherein the matrix material of the second substrate is a fluoropolymer.

18. (New) The method of claim 16, wherein the actinic radiation has a wavelength maximum of between 210 nm and 290 nm.